

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **60135653 A**

(43) Date of publication of application: **19.07.85**

(51) Int. Cl. **F02F 3/00**  
**F16J 1/01**

(21) Application number: **58240844**

(22) Date of filing: **22.12.83**

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(54) **MANUFACTURE OF PISTON**

(57) Abstract:

**PURPOSE:** To reduce the cooling loss of a piston, by coupling the main body of a piston made of an aluminum alloy with a piston crown obtained by enclosing a ceramics material having a high heat resistance with a pulverized, heat-resisting alloy and sintering the same subsequently.

**CONSTITUTION:** A member 1 shaped in the form of a piston crown is molded by a pulverized, heat-resisting alloy in the manner of enclosing a sintered zirconia 2, and then the member 1 is sintered under prescribed conditions. A piston crown 21 thus obtained is coupled with the main body 23 of a piston made of an aluminum alloy. By thus manufacturing a piston, it is enabled to reduce the cooling loss of the piston.

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